

DAFTAR PUSTAKA

- Abdullah, S., Abidin, S.A.Z., Murad, N.A., 2010, Ginger extract (*Zingiber officinale*) triggers apoptosis and G0/G1 cells arrest in HCT 116 and HT 29 colon cancer cell lines, *African Journal of Biochemistry Research*, 4 (4): 34-142.
- Aengwanich, V., 2002, *Morphology, Anatomy, Physiology Yield, and Quality of Phlai (Zingiber)*, MS. Thesis, Khon Kaen University, Khon Kaen, Thailand.
- American Cancer Society, 2016, Guideline Breast Cancer, American Cancer Society.
- American Type Culture Cell, 2012, MCF-7 (ATCC HTB-22), diakses pada tanggal 10 Januari 2019, <https://www.atcc.org/products/all/HTB-22.aspx>.
- Anasamy, T., Abdul, A.B., Sukari, M.A., 2013, A Phenylbutenoid Dimer, cis-3-(3',4'-Dimethoxyphenyl)-4-[(E)-3''',4'''- Dimethoxystyryl]Cyclohex-1-ene, exhibits Apoptogenic Properties in T-Acute Lymphoblastic Leukemia Cells via Induction of p53-Independent Mitochondrial Signalling Pathway, *Evidence-Based Complementary and Alternative Medicine*, 3(14): 810-939.
- Artanti, N., Rizna, T.D., Faiza, M., 2014, Pengaruh lokasi dan pelarut ekstraksi terhadap kandungan fitokimia dan aktivitas antioksidan ekstrak pegagan, *Jurnal Kimia Terapan Indonesia*, 16(2): 88-92.
- Bachrah, Z.Y. 2012, Contribution of Selected Medicinal Plants for Cancer Prevention and Therapy, *Scientific Journal of the Faculty of Medicine in Niš*, 29(3): 117-123.
- Biradar SR, Bhagyashri DR., 2013, Extraction of some secondary metabolites & thin layer chromatography from different parts of *Centella asiatica* L., *AJLS*, 1(6): 243-247.
- Cancer Chemoprevention Research Center, 2013, *Prosedur Tetap Uji Sitotoksik Metode MTT*, Cancer Chemoprevention Research Center Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Chakraborty, D., Bishayee, K., Ghosh, S., 2012, [6]-Gingerol induce caspase 3 dependent apoptosis and autophagy in cancer cells: drug DNA interaction and expression of certain signal genes in HeLa cells, *Eur J Pharmacol*, 694(1-3): 20-9.
- Damayanti, R.A dan Tedjo, Y., 2015, Dimetilsulfoksida sebagai *enhancer* transpor transdermal teofilin sediaan gel, *Majalah Farmasetika*, 11(1): 263-267.

- Depkes R.I., 2016, *Kanker Payudara*, Departemen Kesehatan Republik Indonesia, Jakarta.
- DiPiro, J.T., Wells, B.G., Schwinghammer, T.L. 2015, *Pharmacotherapy Handbook Ninth Edition*, McGraw-Hill Education Companies, Inggris.
- Ekowati, H., Anisyah, A., Eka, P., Hendri, W., Kadek, S., Zulia, H., Tuti, E., 2012, *Zingiber officinale*, *Piper retrofractum* and combination induced apoptosis and p5 expression in myeloma and WiDr cell lines, *Hayati Journal of Biosciences*, 9 (1): 1-7.
- Ekowati, H., Septiyaningsih, Harwoko, Trisnawati, 2010, Anticancer activity of *Zingiber officinale* and *Piper retrofractum* extract on HeLa cell line, *The Journal of Indonesian Medical Plant*, 3(2): 4-8.
- Fimognari, C., Nusse, M., Lenzi, M., Sciussio, D., 2012, 'Sulforaphane increase the efficacy of doxorubicin in mouse fibroblast characterized by p53 mutations', *Mutat Res*, 60(1-2): 92-101.
- Gard, 1998, A new key to species, and remarks on Zingiberaceae, *GardBull Singapore*, 4(8): 1-2.
- Hamid HK, Enas JK., 2016, Extraction, isolation and characterization of pyrrolizidine alkaloids present in *Senecio vulgaris* Linn grown in Iraq. *J Pharmacogn Phytochem*. 5(6): 28-37.
- Hikmah, H.D., 2012, Pengaruh partisi bertingkat cair-cair ekstrak etanol rimpang jahe terhadap profil kandungan senyawa kimia dan aktivitas antiradikalnya, *Skripsi*, Universitas Muhammadiyah Surakarta. Surakarta.
- Jeenapongsa, R., K. Yoovathaworn, K. M. Sriwatanakul, U. Pongprayoon, K. Sriwatanakul., 2003, Anti-inflammatory activity of (E)-1-(3,4-dimethoxyphenyl) butadiene from *Zingiber cassumunar* Roxb. *J. Ethnopharmacol*, 87: 143-148.
- Kim, H.W., Oh, D.H., Koh, J.T. and Lim, Y.T., 2015. Apototic effects of 6-gingerol in human breast cancer cels, *International Journal of Oral Biology*, 40(4): 223-228.
- Kusuma, R.F., 2015, Nilai IC50 Proliferasi Sel Kanker Payudara yang Diberi Ekstrak Umbi Keladi Tikus (*Thyphonium flagelliforme*) serta Studi Eksperimen *In Vitro* Terhadap Sel T47D Pada Masa Inkubasi 48 Jam dan 72 Jam, *Skripsi*, Fakultas Kedokteran Unissula Semarang.
- Lu, H., and Waxman, D.J., 2005, Antitumor Activity of Methoxymorpholinyl Doxorubicin: Potentiation by Cytochrome P450 3A Metabolism, *Mol Pharmacol*, 67(1): 212-219.

- Maya, F., 2013, Uji aktivitas sitotoksik ekstrak dan fraksi jahe merah (*Zingiber officinale roscoe var. rubrum*) terhadap sel HeLa secara in vitro, *STikes Muhammadiyah Palembang*, 1(1): 2-4.
- Mirmalek ,S.A., Azizi, M.A., Jangholi, E., Yadollah,D.S., Javidi, M.A., Parsa Y., Parsa T., 2015, Cytotoxic And Apoptogenic Effect of Hypericin, The Bioactive Component Of Hypericum Perforatum On The MCF-7 Human Breast Cancer Cell Line, *Cancer cell international*, 16 (2): 3-6.
- Mukhriani, 2014, Ekstraksi, Pemisahan Senyawa, dan Identifikasi Senyawa Aktif, *Jurnal Kesehatan*, 8: 2.
- National Institute of Health, 2016, *Breast Cancer*, U.S. National Library of Medicine.
- Nurkhasanah, Santoso, R., Fauziyah, R., 2017, The immunomodulatory effect of *Zingiber cassumunar* ethanolic extract on phagocytic activity, nitrit oxide and reaxtive oxygen intermediate secretions of macrophage in mice, *IOP Conf. Series: Materials Science and Engineering*.
- Plengsuriyakarn, T., Viyanant, V., Eurditchai, V., Tesana, S., 2012, Cytotoxicity, toxicity, and anticancer activity of *Zingiber officinale roscoe* against cholangiocarcinoma, *J Cancer Prev*, 13(9): 4597-6060.
- Rad, M., Varoni, E., Salehi, B., Matthhews, K.R., 2017, Plants of the genus *Zingiber* as a source of Bioactive Phytochemicals From Tradition of Pharmacy, *Molecules*, 2(12): 21-45.
- Rahmadani, N., Ruslan, P., Satrimafitrah, 2018, Penerapan metode ekstraksi pelarut dalam pemisahan minyak atsiri jahe merah (*Zingiber officinale var. rubrum*), *Jurnal Riset Kimia Kovalen*, 4(1):74-81.
- Rahman, A.G dkk., 2013. Formulasi Lotion Ekstrak Rimpang Bangle (*Zingiber Purpureum* Roxb) Dengan Variasi Konsentrasi Trietanolamin Sebagai Emulgator Dan Uji Iritasinya, *Pharm. J.*, 10(1) : 41-54.
- Rahman, S., Faizus, S., Asif, I., 2012, In vitro antioxidant and anticancer activity of young *Zingiber officinale* against human breast carcinoma cell lines, *BMC Complementary and Alternative Medicine*, 11(76): 1472-6882.
- Ratnam, K., Sannidhi, R. S., Redy, Y.R. and Kanala, J.R., 2012, In vitro anticancer activity of *Zingiber officinale* and *Allium sativum* towards MCF-7 and K562 cell lines, *International Journal of Current Research abd Review*, 4(2): 75-82.
- Rollando, R., Maureen, E., Laurensia N.I., Edward, H., Eva, M., Rehmadata, S., 2018, Isolation of Active Compound from *Zingiber Purpureum* Roxb. Using Bioassay Guided Fractination Method for WIDR Colon Adenocarcinoma Cell Line, *Journal of Global Pharma Technology*, 10(7): 54-60.

- Rukmana, H.R. & Yudirachman, H.H. 2016. *Budidaya & Pascapanen Tanaman Obat Unggulan*. Yogyakarta: Lily Publisher.
- Ryamizard, R., Nawangsih, P., Ani, M., 2018, Gambaran Penggunaan Pengobatan Tradisional, Komplementer dan alternatif pada pasien kanker yang menjalani radioterapi, *Jurnal Kedokteran Diponegoro*, 7(2): 1568-1584.
- Sandhar, H.K., Kumar, B., Prasher, S., Tiwari, P., Salhan, M., Sharma, P., 2012, A review of phytochemistry and pharmacology of flavonoid, *Int Pharm Sci*, 1(1): 25-41.
- Sharma, V. And Pracheta, 2017, J. Extraxtion, Isolation and identification of flavonoid from *Euphorbia neriifolia* leaves. *Arabian Journal Of Chemistry*. 10: 509-514.
- Simpson, M.G., 2006, Plant systematics, *Elsevier Academic Press Publication*, 3(2): 8-10.
- Solihati, I., 2015, Efek Ekstrak Jahe Merah Sebagai Agen Ko-Kemoterapi 5-Fluorourasil Terhadap Viabilitas Sel Kanker Kolon WiDr, *Skripsi*, Farmasi, Universitas Jenderal Soedirman
- Theera, S., Parinuch, C. , Waraporn, H.C. , Yaowapa S., and Kanyanatt, K., 2013, Phytochemical Screening and Cytotoxicity of Crude Extracts of *Vatica diospyroides* Symington Type LS, *Tropical Journal of Pharmaceutical* 12(1): 71-76.
- Utami, D.S., 2018, Uji Potensi Antikanker Payudara Ekstrak Etanol Lidah Mertua (*Sansevieria trifasciata*) pada Sel MCF-7 secara *in vitro*, *Skripsi*, Universitas Islam Negeri Malang.
- WHO, 2016, *Guidelines for Management of Breast Cancer*, World Health Organization, 73.
- Zulkhairi., Mohd, A., Gwendoline, C.L., Ahmad, B., 2017, Phytochemicals and cytotoxic studies of *Zingiber cassumunar* Roxb, *J. Trop. Agric. and Fd. Sc*, 45(2): 187-197.